

JOURNAL OF APPLIED MATHEMATICS AND MECHANICS

CONTENTS OF NEXT ISSUE

Volume 61, No. 4, 1997

- L. D. AKULENKO and S. V. NESTEROV: Calculation of frequencies and modes of natural vibrations for inhomogeneous distributed systems with boundary conditions of the third kind
- O. V. KHOLOSTOVA: On non-linear oscillations of a satellite under third-order resonance
- G. V. GORR: A linear invariant relation in the problem of a gyrostatic motion in a magnetic field
- N. V. MEL'NIKOV and A. M. TARAS'YEV: The design of optimal guaranteed control in grid approximation schemes
- I. S. RAPPOPORT and A. A. CHIKRII: Guaranteed result in a differential game of group pursuit with terminal cost function
- V. F. PIVEN: The theory of two-dimensional processes in inhomogeneous layers with conductivity governed by a power law
- A. T. IL'ICHEV: Solitary and generalized solitary waves in dispersive media
- A. M. TER'KRIKOROV: The fundamental solution of the internal wave equation for media with discontinuous Brunt-Vaisala frequency
- V. D. LUK'YANOV: Radiation of acoustic waves by a piston radiator in a rigid half-screen that partitions the waveguide
- A. O. VATYL'YAN and S. A. KORENSKII: Linearization method in geometric inverse problems of the theory of elasticity
- G. G. DENISOV and V. V. NOVIKOV: Membrane deformation by a moving load
- N. F. MOROZOV and I. L. SUROVTSOVA: The problem of dynamic loading of plane elastic regions with corner points at the boundary
- P. Ye. TOVSTIK: Axisymmetric deformation of thin shells of revolution made of a non-linearly elastic material
- R. V. GOL'DSHTEIN and S. V. KUZNETSOV: Energy of singular loads in an elastic anisotropic medium
- E. I. RYZHAK: Estimates for free vibration frequencies of homogeneous anisotropic bodies with a constrained boundary
- Yu. I. NYASHIN and S. A. CHERNOPAZOV: Variational approach to the contact problem of the theory of elasticity with friction
- N. V. DERENDAYEV and I. N. SOLDATOV: On the motion of a point mass along a vibrating string
- L. Z. FISHMAN: Criteria for safe and unsafe boundaries of the stability region of equations with delay
- O. A. ALEKHNovich and V. G. DEMIN: On the stability of gyrostat pseudo-regular precession